



**SINGLE BAND,  
VERTICALLY POLARISED ANTENNA  
UMTS VP/65/18/2  
TYPE: 2259**

- ❑ SINGLE-BAND 3G APPLICATIONS
- ❑ ULTRA LOW-PROFILE RADOME
- ❑ HIGH GAIN

The '3G Series' of panel antennas from Racal Antennas have been designed to easily facilitate the installation of Third Generation cellular infrastructure into new or existing networks. A number of models provide variations in both gain and fixed electrical downtilt to exactly suit the required cell coverage. Slimline radomes reduce visual impact & provide an easily installed, robust enclosure. An extremely low component count and one-piece PCB result in consistently high product quality and reliability, having an excellent intermodulation performance. One connector is provided on the base of the unit.



**TECHNICAL SPECIFICATION**

<b>Frequency</b>	1900 - 2170MHz
<b>Gain</b>	18dBi
<b>VSWR</b>	1.4:1 max
<b>Horizontal Beamwidth</b>	65°
<b>Vertical Beamwidth</b>	6.8°
<b>Fixed Electrical Downtilt Options</b>	2°
<b>Upper Sidelobe Suppression</b>	>16dB
<b>1<sup>st</sup> Null Fill Below Horizon</b>	<18dB
<b>Front-to-Back Ratio</b>	>30dB @ ± 180° azimuth
<b>Power Rating</b>	200W
<b>Connector</b>	7/16" DIN (socket at bottom)
<b>Dimensions (LxWxD)</b>	1315 x 142 x 43 mm
<b>Operational Wind Speed</b>	45m/s
<b>Survival Wind Speed</b>	56m/s
<b>Max Wind Loading (Front)</b>	268 N @ 45m/s
<b>Weight</b>	4kg
<b>Temperature Range</b>	-40°C to +70°C
<b>Bracket Options</b>	Tilt ± 10°

